

**Notice of Allowability**

Application No.

10/004,707

Examiner

NGOC V DINH

Applicant(s)

LEE, JAE-HONG

Art Unit

2187

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/20/2004.
2. ☒ The allowed claim(s) is/are 1, 3-11, 13.
3. ☒ The drawings filed on 03 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892) \*
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 06/17/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### **Examiner's Amendment**

1. This Office Action is in response to Amendment filed 08/30/2004.

Claims 2, 12, 14-17 have been amended.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Mr. Micheal Musella (Reg. 39,310) on October 07 and 15, 2004.

The application has been amended as follows:

Claim 3, line 1, "claim 2" has been replaced by -- claim 1 --.

Claims 14-17 have been canceled.

### **Reasons for allowance**

The primary reasons for allowance of claim 1 in the instant application is the combination with the inclusion of the limitation of " outputting data stored in said memory location if said first index is less than or equal to said reference parameter; and ... generating a second index if said first index is greater than said reference parameter".

The primary reasons for allowance of claim 8 in the instant application is the combination with the inclusion of the limitation of " an index generator for receiving one of said first control signal and a fourth control signal and outputting an index upon receipt of said first or fourth control signal ..., and outputting upon receipt of said second control signal to said index generator and said fourth control signal if said index is greater than said reference parameter".

The primary reasons for allowance of claim 13 in the instant application is the combination with the inclusion of the limitation of " comparing upon receipt of said comparator enable signal said index said data size and outputting said secondary index enable signal if said

Art Unit: 2187

index is greater than said data size ...and output upon receipt of said address generator enable signal a memory address associated with a most recently generated index”.

Because claims 3-7, 9-11 depend directly or indirectly on claims 1 and 8. These claims are considered allowable for at least the same reasons noted above.

### **Conclusion**

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Kim et al PN 6,591,381 discloses 2-dementional interleaving.

b. Kim PN 6,668,350 discloses interleaving/deinterleaving.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Ngoc Dinh whose telephone number is (571) 272-4191. The examiner can normally be reached on Monday-Friday 8:30 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald A. Sparks, can be reached on (571) 272-4201. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 272-2100 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.



NGOC DINH

Patent Examiner

ART UNIT 2187

October 26, 2004



DONALD A. SPARKS

Supervisor Patent Examiner

Technology Center 2100